

Yellowstone National Park

Geology Records

Preliminary Inventory

Hailey Galper June 2016

Box 1:

John Good. Geology field notes. Photographs, notes, correspondence – Grasshopper Glacier, field notes, photographs, An Interpreter's Guide to Yellowstone National Park partial draft - Yellowstone, maps and photographs – Sunlight Glacier.

Paper records, photographs, maps.

1961-1967

Box 2:

Norris Geyser Basin Observation Logs.

Paper records – notebooks.

1964-1969

Box 3:

Mike Keller. Observation notes and reports, reports on thermal cleaning and possible projects for 2000.

Mary Ann Moss. Report on Giant Geyser eruption in November 1996.

Tim Thompson. Reports on Ferris Pool and surrounding thermal area.

Rocco Paperiello. Observation notes, Giant and Giantess geysers.

Records pertaining to Fairyland Basin.

Paper records.

1997-2000

Box 4:

Geyser observation cards. Arranged alphabetically by geyser name. Handwritten and typed.

Paper records.

1935-1937

Box 5:

Norris Geyser Basin observation logs. Norris Geyser Basin Museum log books.

Paper records – notebooks.

1990-2009

Box 6:

Geology reports 2002-2013.

****Separation sheet – Geology field reports 2013-2015, Rick Hutchinson notes, 2015. PDF Electronic only.**

Can be found at:

O:/Archives/Digital_Copies/RG1Geo/Geology Reports2013_2015 then by year and title.

Paper records and PDF.

2002-2015

Box 7:

Mary Ann Moss. Giant Geyser observation records (1989).

Norris Geyser Basin thermal feature graphs (2001) and Thermal Reports (1986-1987).

George D. Marler. Reports, “Norris Geyser Basin”, “Hot Spring Activity in the Geyser Basins of the Firehole River for the 1960 Season”, “Are Yellowstone Geysers Declining in Activity? (1947)”, presentation notes.

Publications. “The Hot Springs of the Yellowstone National Park.” – Carnegie Institution of Washington News Service Bulletin 1936.

Geyser Observation correspondence 1926-1928

Geyser Gazers correspondence 1997

1936, 1947, 1959-1960, 1997, 1986-1987, 1989, 2001

Box 8:

Yellowstone Association (Y.A.) Daily Logs – Norris Geyser Basin: Echinus (1988-2003).

Norris Geyser Basin Observation Logs (1980-1990).

Paper records – notebooks.

1980-2003

Box 9:

Lower Geyser Basin Logs (1964).

David Starck. “Notes on the Geyser Eruptions in the Lower Gey[s]er Basin of Yellowstone National Park During the 1990s” Volumes 1-5.

Paper records – one notebook, 5 spiral bound reports.

1964, 1994-2000

Box 10:

Mud Volcano (and surrounding areas) field logs (1990-2006).

Box 11:

Infra-red records roll charts.

March 1986 – June 1986

Box 12:

Infra-red records roll charts.

June 1975 – March 1976; August 1997 – September 1997.

Box 13:

Correspondence concerning geysers/geyser activity in the park, maps, reports, newspaper clippings, publications, public ballot to name an unnamed geyser, telegrams, memos, thermal activity reports.

Paper records.

1927-1954

Box 14:

Lab and field notebooks. Groundwater chemistry, SEM, chloride, soil-sediment dating, mercury soil analysis results and sample prep, soil samples, soil hg field notes and methods, water quality data, engineer transit books, radon monitors field notes, radon pylon AB-5.

Paper records – notebooks in two sizes.

1986-1994

Box 15:

Great Fountain Geyser, Clepsydra, Fountain, Jet, Kaleidoscope, Morning, Sentinel Group, Spasm, Twig, FTN-2, and White Dome observation data.

Paper records, charts.

1980-1993

Box 16:

Lone Star Geyser public log books.

Paper records – notebooks in two sizes.

1983-1999

Box 17:

Norris Geyser Basin observation data – Tantalus Creek, Cistern Spring, Echinus Geyser, Monarch Geyser, Porcelain Basin, Porkchop Geyser, Steamboat Geyser.

Shoshone Geyser Basin observation data – Minute Man Geyser,.

Heart Lake Geyser Basin observation data.

West Thumb Geyser Basin observation data – Lone Pine Geyser, Occasional Geyser.

Oblique Geyser correspondence.

Corwin Springs records. Correspondence, memos, report drafts (“Corwin Springs Known Geothermal Resource Area Impact Analysis: Report to Congress”, “Effects of Potential Geothermal Development in the Corwin Springs Known Geothermal Resource Area on the Thermal Features of Yellowstone National Park”).

Mud Volcano observation data.

List of prominent springs and geysers in the Yellowstone national Park arranged alphabetically by individual names.

Paper records.

1981-1990

Box 18:

Geothermal Resource Development records.

General Geyser records – 1970-1999.

1970-1999

Box 19:

Geothermal Resource Development records. Research, reports, relevant laws/protection acts, maps.

Paper records and maps.

1970-1979, 1987-1988, 1991-1994

Box 20:

Old Faithful Geyser Log Books. George Marler and Irwin B. Douglass.

**Please note: 1958 logbook is available as both a bound photocopy of the log book, and a heavily damaged original.

Paper records – notebooks.

1940-1958

Box 21:

Lone Star Geyser public log books.

Paper records – notebooks.

1999-2014

Box 22:

Mammoth Hot Springs log books.

Paper records – handwritten notebook and printed/bound booklets.

1974-1994, 1999-2003

Box 23:

New World Mine records. Noranda Minerals, Crown Butte Inc, Crown Butte Mines Inc. Includes basic chronology/timeline.

Paper records.

1987-2008

Box 24:

Geothermal Resource Development records.

Paper records.

1970-1990s

Box 25:

Whipple-Hutchinson photographs.

Photo slides.

1981-1987

Box 26:

Whipple-Hutchinson photographs. Loose assorted photos.

Photographs and negatives.

Ca. 1970-1990s

Box 27:

Norris Geyser Basin Observation Logs.

Paper records – notebooks.

1970-1973

Box 28:

Photograph slides – 1988 Fire.

1988 Fire records. Field notes, newspaper clippings, maps, and reports (Inventory of Landslide Potentials Following the 1988 Fires).

Pyramid road and Turbid Lake road rehabilitation records. Field notes, correspondence, maps, aerial photographs.

Photograph Guide to Yellowstone, 1976.

Geological survey map, 1972.

Reports. “Sources and Quantities of Suspended Sediment in the Yellowstone River and Selected Tributary Watersheds Between Yellowstone Lake Outlet, Yellowstone National Park, Wyoming, Livingston, Montana: 1986 Annual Progress Report”, “Major Erosive Lands in the Upper Yellowstone River Drainage Basin from Livingston, Montana to Yellowstone Lake Outlet, Yellowstone National Park.”

Paper records, photographs, and maps.

1972, 1976, 1988, 1994

Box 29:

Old Faithful log books. Also included observations for Artemisia, Aurum, Beehive, Castle, Daisy, Depression, Flood, Fountain, Grand, Great Fountain, Grottos (N. Grotto Fountain), Lion, Little Cub, Oblong, Pink Cone, Plate, Plume, Riverside, Sawmill, Till, West Triplet, and White Dome Geysers.

Geyser observation notebook – Andrew Hafner, 1998-2001.

Paper records – notebooks.

1997-2004

Box 30:

Sound recordings from various thermal features and waterfalls. Subjects of each recording are listed on original packaging.

Dr. Bob Smith. Lecture – February 14, 1977. Seminar on earthquake activity in the intermountain region.

John Good, Gerald Richmond, Ken Pierce, H.A. Waldrop, and Dick Baker speaking on Glacial Geology and Canyon Geology -1968.

Scotch sound tapes and CDs. Each recording is contained on the original scotch sound tape and two CD copies. Cassette tapes, paper records.

1954, 1968, 1974, 1977

Box 31:

Whipple-Hutchinson photograph slides.

1988-1993

Box 32:

Whipple-Hutchinson photograph slides.

1976-1980

Box 33:

Norris Geyser Basin observation logs.

Ledge, Big and Little Whirling Geysers log.

Paper records – notebooks.

1974-1980

Box 34:

Giant, Giantess, Grand Geysers observation data. Tables, charts, correspondence, and maps.

Paper records and maps.

1988-1990

Box 35:

Yellowstone Lake, Biscuit Basin (USGS well), Old Faithful, Norris Geyser Basin, Gardiner Canyon rockslide, Crested Pool, Steamboat Geyser, Sylvan Pass mudslide.

VHS tapes.

1987, 1991-1992, 1995, 1997, 1999-2000, 2003, 2004

Box 36:

Mammoth Hot Springs thermal observation log.

West Thumb history. Tables, data, correspondence, reports, maps.

Paper records and maps.

1974-1994

Box 37:

Lone Star Geyser observation logs.

2012-2015

Norris Geyser Basin observation log.

2009-2014

Box 38:

Grotto, Old Faithful Geysers and Midway Geyser Basin observation data. Spreadsheets, maps.

1988-1996

Box 39:

Thermal activity data and reports.

1955, 1983-1993

Box 40:

Upper Basin observation data. Tables, reports, maps. Daisy, Lone Star, Morning Glory, Oblong, Depression, Fan, Mortar, Lion, Little Cub, Riverside, Round, Sawmill, West Triplet, and Plume Geysers.

Paper records, maps.

1980-1988, 1994-1998

Box 41:

Whipple-Hutchinson photographs. Loose assorted photos.

Ca. 1970s-1990s

Box 42:

Upper Geyser Basin observation logs. Observations for geysers other than Old Faithful in this area.

Paper records – notebooks.

1990-1997

Box 43:

Lone Star Geyser observation logs.

Upper Geyser Basin observation log. Rinehart. Daisy, Lone Star. Not Old Faithful

Upper and Lower Geyser Basin observation log. Includes Old Faithful.

1988 Hydrothermal Observation report. Rich Hutchinson, Phil Landis. Upper and Lower Geyser Basins, Lone Star Geyser Basin, Norris Geyser Basin, Monument Geyser Basin. Includes charts and graphs.

Paper records – notebooks.

1922-1923, 1988, 2004-2009, 2015

Box 44, 45, and 46:

Thermal photograph slides. Older slides in glass.

Ca. 1940-1960s

Box 47:

Upper Geyser Basin observation logs. Phil Landis.

Paper records – notebooks.

1981-1990

Box 48:

Infra-red records roll charts.

April – May 1976, September 1985 – March 1986

Box 49:

Phil Landis, 1988. Upper and Lower Geyser Basin, Norris Geyser Basin, Monument Basin, Lone Star observation notes.

Maps.

Paper records and maps.

1988

Box 50:

Infra-red records roll charts.

1994

Box 51:

Infra-red records roll charts.

1992-1993

Box 52:

Infra-red records roll charts.

1993

Box 53:

Radon monitoring records/field notes, steam bed temperature field notes, water temperature field notes, Wayne Hamilton.

Paper records.

1982-1993

Box 54:

Thermal reports, research projects, geology papers.

Arnold Hague. Unpublished "Geology of Yellowstone" ca. 1900

Paper records.

1970-1990s

Box 55:

Whipple-Hutchinson photograph slides.

1970-1975

Box 56:

Volcano and earthquake records.

1988 Fire records

Church Universal and Triumphant (CUT) records. Encroachment, Environmental Impact Statement.

New World Mine records. Articles, maps, correspondence, complaints, Environmental Impact Statement.

2004 Geology report.

Paper records, maps.

1978-2000, 2004

Box 57:

New World Mine records. Publications, correspondence.

Water analysis posters (1906).

Reports. Rhyolite and Basalt, Death Gulch (w/ analysis), Crevice Mountain area.

Mercury samples and field notes.

Geological history summary.

Paper records, maps, photographs.

1906, 1939, 1960-1964, 1971, 1989-1995

Box 58:

Correspondence. Allen R. Hagwood, Rick Hutchinson (1975), and George Marler (1965).

Maps.

Geothermal records. Observation data, notes, photographs, tables/charts, summaries, reports, research proposals.

Paper records, maps, photographs.

1939, 1954-1965, 1970-1975, 1980-1983, 1987, 1997-1999

Box 59:

Infra-red records roll charts.

1996

Box 60:

Whipple-Hutchinson photographs and slides.

1994-1996

Box 61:

Geologist Paul Doss "Shows and Tells Yellowstone Lake Spire."

VHS tape.

2001

Box 62:

Old Faithful infra-red recorder charts, correspondence.

Infra-red charts, paper records.

1973, 1995-1996

Box 63:

Upper Geyser Basin observation logs.

Paper records – notebooks.

1959-1977

Box 64:

Infra-red records roll charts.

1997

Box 65:

Hydrothermal Observation forms. Biscuit Basin Group, Castle Group, Chain Lake Group, Death Gulch, Daisy Group, East of Hebgen, Firehole Lake, Geyser Hill, Gibbon Geyser Basin. Notes, forms, photographs.

Paper records, photographs.

1959

Box 66:

Hydrothermal Observation forms. Giant Group, Gibbon River, Grand Group, Grizzly Lake, Grotto Group, Hayden Valley, Lewis Lake, Heart Lake, Madison River, Mirror Plateau, Monument, Mt. Holmes. Notes, forms, photographs, maps.

Paper records, photographs, maps.

1959

Box 67:

Hydrothermal Observation forms. Myriad Group, North of Norris, Shoshone Lake, Pelican Creek, Twin Buttes, Potts Hot Springs, Washburn, Yellowstone Canyon, Morning Glory Group. Notes, forms, photographs, maps.

Earthquake study report to Superintendent.

Tables on thermal features affected by earthquake.

Paper records, photographs, maps.

1959

Box 68:

1959 Earthquake records.

Paper records

Box 69:

Rick Hutchinson papers. Earthquake records, Geyser activity.

Paper records.

1990-1991

Box 70:

Seismology records, earthquake damage, studies.

Paper records.

1950s-1990s

Box 71:

Seismology records and studies.

Paper records.

1985-1987

Box 72:

Rick Hutchinson correspondence, reports, notes.

Paper records, notebooks, photographs.

1986-1992

Box 73:

Rick Hutchinson. Admin reports, press releases, correspondence and reports.

Paper records.

1975-1990

Box 74:

Rick Hutchinson. Observation logs. Norris Geyser Basin. Photos, thermal reports, geyser info.

Paper records and photographs.

1972-1978

***please note: the observation logs (brown books, green book) in this box have ALL been digitized and can be found on the O: drive. The File path is as follows:

O:/Archives/Digital_Copies/RG1Geo/Fournier

Box 75:

Seismograph charts. Old Faithful basin.

1987, 1989, 1994-1997

Box 76:

Thermal observations, reports and thermal injury records.

Paper records.

1973-2003

Box 77:

Old Faithful data.

Seismograph records, maps and charts, data log.

1994

Box 78:

Geyser observation logs. Upper Geyser Basin.

Paper records – notebooks.

1974-5, 1978-1980, 1984-1987, 1989

Box 79:

Old Faithful observation tapes.

Paper records.

1941, 1943, 1949, 1959, 1966, 1972, 1980-1988

Box 80:

Hot spring activity, thermal highlights reports and summaries, geyser activity reports and summaries.

Paper records.

1967-1988

Box 81:

Earthquake records. Reports, news clippings, photographs.

Separation sheet – map of earthquake effects, 1959. Can be found in: Maps and Drawings Collection, series III B.

Paper records, photographs.

1959

Box 82:

Geodetic surveys, earthquake records, thermal feature records.

Paper records.

1957-1963

Box 83:

Earthquake records. Diagrams, correspondence, monthly reports.

1959 Budget.

Paper records – diagrams, charts.

1959-1960

Box 84:

Rick Hutchinson. Geyser and thermal activity reports, earthquake records.

Paper records.

1961-1992

Box 85:

Volcanology records. Studies, notes.

Paper records.

1957-1960, 1983, 1985-1987

Box 86:

Glacier records. Ice and Frost Action.

Paper records.

1960-1965

Box 87:

Hydrothermal feature research.

Paper records, maps.

1966-1973

Box 88:

Thermal feature records. Geysers, hot springs, microorganisms.

Paper records.

1980-1995

Box 89:

Thermal features.

Paper records.

1950-1960s

Box 90:

Geology general. Mixed topics.

Paper records.

1965-1970

Box 91:

Geology general. Maps, correspondence.

Paper records, maps.

1960s

Box 92:

Geology general. Research projects, geothermal bill HR 6080.

Paper records.

1934-1949

Box 93:

Rocks and Minerals.

Paper records, photographs.

1954-965, 1985-1987

Box 94:

Speleology. Caves.

Paper records.

1954-1959

Box 95:

Rick Hutchinson. Correspondence, maps, research data and notes, geothermal activity.

Paper records, maps.

1968-1995

Box 96:

Thermal monitoring and survey papers.

Paper records.

1998

Box 97:

Rick Hutchinson. Inventory of thermal features, geo and hydro thermal observations.

Paper records.

1987-1988

Box 98:

Thermal features. Geysers, hot springs, mud pots. George Marler reports

Paper records.

1920s-1990s

Box 99:

Thermal features. Studies.

Paper records.

1970-1990

Box 100:

Geysers and hot springs records.

Paper records.

1922-1927, 1940-1953.

Box 101:

Geysers and hot springs. Reports and activity data.

Paper records.

1996-1997

Box 102:

Geysers, topography/elevation, rocks and minerals, glaciers.

Paper records.

1944-1998

Box 103:

Rick Hutchinson. Rocco Paperiello reports. Springs and geysers.

Paper records.

1984-1985

Box 104:

Rick Hutchinson. Rocco Paperiello and Marie Wolf reports. Springs and geysers.

Paper records.

1986

Box 105:

Sylvan Pass records.

Paper records, photographs.

1992

Box 106:

Geology general.

Paper records.

1980s-1990s

Box 107:

Reports, photographs.

Paper records, photographs. Photos copied to four 3inch floppy discs.

1993

Box 108:

Ranger log books, geothermal and geology data.

Paper records, notebooks.

2002-2015

Box 109:

Borehole project log books and materials.

Paper records, notebooks.

2007-2008

Box 110:

Borehole project records.

Paper records, binders.

2007-2008

Box 111:

Geothermal reports.

USGS Joint Project.

1980s-1990s

Box 112:

Geyser and hot spring reports.

Paper records.

1972-1978

Box 113:

General microbiology records. Thermal microbiology.

Paper records.

1990s

Box 114:

General microbiology records. Thermal microbiology.

Paper records.

2000s

Box 115:

Hygrothermographs. Greenness factor study.

Paper records.

1990s

Box 116:

General microbiology records. Thermal microbiology.

Paper records. Binders.

2000s

Box 117:

General microbiology records. Thermal microbiology.

Paper records. Binder.

1990s

Box 118:

Old Faithful log books and observation data. 1961-1980s

Upper Geyser Basin log book. 1994

Lone Star logbook. 2015-2016

Paper records – notebooks.

Box 119:

Charts, maps (rolled), oversize Old Faithful log, plastic map overlays, Old Faithful data (5 inch floppy).

Maps, plastic, charts, 7 five-inch floppy discs.

Box 120:

Seismology records. (1970s-1990s)

Norris Basin observation data, correspondence, photos. (1970s-1990s)

Thermo/micro biology records and data. (1993-1998)

University of Colorado GPS observations and study. (1991)

George Marler. Index of Hot Springs.

Thermal surveys (1976)

Thermal inventory parts I and II. (1968-1969)

Paper records, photos.

Box 121:

Upper Geyser Basin observation data and reports, photos.

West Thumb observation data.

Shoshone observation data.

Old Faith Earthquake data, 1975 and 1978.

Lower Geyser Basin observation data.

University of Utah seismic records. Charts, maps, photos, notes, reports.

Riverside 1986 eruption records.

Grand Geyser chart 1989.

Geyser reports.

Paper records, maps, photographs.

1970s-1990s

Box 122:

Geyser/Geothermal reports, articles, data.

Paper records.

1990s-1970s

Box 123:

Upper Geyser Basin and Old Faithful log books.

Paper records. 1974-1976

***Anne:

--- Should we consider photocopying/scanning the older Old Faithful log books (box #20)? One book has already been photocopied and the books are heavily damaged: falling out of the cover etc. There are 18 short notebooks in total in that box.

--- Box #77 contains oversize materials and specially formatted materials. Need special rehousing.

--- Box #78 contains 5 log books that are copies of box #20.

--- Box #74 contains field notes that have all been scanned. The brown books and the green log book have been scanned O: drive and can be found at the following file path:

O:/Archives/Digital_Copies/RG1Geo/Fournier